

PS737 Seq List txt.txt

<110> Rosen et al.

<120> 20 Human Secreted Proteins

<130> PS737

<150> PCT/US02/17699

<151> 2002-06-05

<150> US 60/295,869

<151> 2001-06-06

<150> US 60/304,121

<151> 2001-07-11

<160> 118

<170> PatentIn Ver. 2.0

<210> 1

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1

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tctcccgga	tcctgaggtc	acatgctgtg	tggtggacgt	aagccacgaa	gaccctgagg	180
tcaagttcaa	ctggtacgtg	gacggcgtgg	aggtgcataa	tgccaagaca	aagccgcggg	240
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agaaaaccat	ctccaaagcc	aaagggcagc	cccagagaacc	acaggtgtac	accctgcccc	420
catcccgga	tgagctgacc	aagaaccagg	tcagcctgac	ctgcctggtc	aaaggcttct	480
atccaagcga	catcgccgtg	gagtgggaga	gcaatgggca	gccggagAAC	aactacaaga	540
ccacgcctcc	cgtgctggac	tccgacggct	ccttcttcct	ctacagcaag	ctcaccgtgg	600
acaagagcag	gtggcagcag	gggaacgtct	tctcatgtct	cgtgatgcat	gaggctctgc	660
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<210> 2

<211> 5

<212> PRT

<213> Homo sapiens

<220>

<221> Site

<222> (3)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 2

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<210> 3

<211> 86

<212> DNA

<213> Artificial Sequence

<220>

<221> Primer\_Bind

<223> Synthetic sequence with 4 tandem copies of the GAS binding site found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)), 18 nucleotides complementary to the SV40 early promoter, and a Xho I restriction site.

<400> 3

PS737 Seq List txt.txt

gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60  
cccgaatat ctgccatctc aattag 86

<210> 4  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> Primer\_Bind  
<223> Synthetic sequence complementary to the SV40 promoter; includes a Hind III restriction site.

<400> 4  
gcggcaagct ttttgcaaag cctaggc 27

<210> 5  
<211> 271  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> Protein\_Bind  
<223> Synthetic promoter for use in biological assays; includes GAS binding sites found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)).

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gccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180  
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<210> 6  
<211> 32  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> Primer\_Bind  
<223> Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Xho I restriction site.

<400> 6  
gcgctcgagg gatgacagcg atagaacccc gg 32

<210> 7  
<211> 31  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> Primer\_Bind  
<223> Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Hind III restriction site.

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<210> 8  
<211> 12  
<212> DNA  
<213> Homo sapiens

<400> 8

ggggactttc cc

<210> 9  
 <211> 73  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <221> Primer\_Bind  
 <223> Synthetic primer with 4 tandem copies of the NF-KB binding site (GGGGACTTTCCC), 18 nucleotides complementary to the 5' end of the SV40 early promoter sequence, and a XhoI restriction site.

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 ccattcctcaat tag 73

<210> 10  
 <211> 256  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <221> Protein\_Bind  
 <223> Synthetic promoter for use in biological assays; includes NF-KB binding sites.

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 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180  
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 cttttgcaaa aagctt 256

<210> 11  
 <211> 1098  
 <212> DNA  
 <213> Homo sapiens

<400> 11  
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 ctctctcggt tcggcaaccg cggggcgggg ccctgctcgg accacgcccc tcccgggctc 180  
 acccttgctc ccacaggtgg cgctgggctt cgcggaaggc agctgcgacc cctcggacca 240  
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 cccactgggc atgcggttgc ccctgccctt tggggagctg gacctggact ccacggctcc 540  
 tcctgcctac agcctgtaca ccccggagcc tccacctcc tacgatgaag ctgtcaagat 600  
 ggccaagccc agagaggaag gaccagcact ctcccagaaa cccagccctc tccttggggc 660  
 ctcgggccta gagaccactc cagtgcacca ggagtcgggc cccaatactc aactaccacc 720  
 ttgtagccct ggtgcccctt gaaggaggta ggagaacgga ccagagcttg gagaactaat 780  
 gcttggagcc aaggggccca gccacccca ccgtcccaca cattgctgtg gcccacact 840  
 cggtgccatg ttacaccggc ccctggcgct acccactagg caggctgctg ctttcagcct 900  
 cagccccttg cccagcccca gcaggccctc agcctggaag aggccccttg ggtctaagcc 960  
 tcggctggga gctcagggcc acctgtgacg tctgcatctt cttggagaga gaataaagtt 1020  
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 aggatccctc gaggggcc 1098

<210> 12  
 <211> 806  
 <212> DNA  
 <213> Homo sapiens

<400> 12  
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&lt;210&gt; 13

&lt;211&gt; 1203

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 13

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caatgcawka	tyctccgctg	caatgctgag	tacgtatcgt	ccactctgag	ccttagaggt	180
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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14

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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>  
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 <222> (1802)..(1802)  
 <223> n equals a,t,g, or c

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 <222> (532)..(532)  
 <223> n equals a,t,g, or c

<400> 17						
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PS737 Seq List txt.txt

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 ggccctctgga acttcttggc gctctgtacc gtcatctatt tccaccagta cactcacaag 180  
 gtgggtgggag ccgcagtgag cacctttgcc tggtagctca cctatggcag ctggtatcat 240  
 cagccctggc ctccagggag cccaggccat gggctcttcc cccgtcccca ctccagccgc 300  
 aagcataact gaaagaaata aaaaccatcg ggcc 334

<210> 56  
 <211> 1406  
 <212> DNA  
 <213> Homo sapiens

<400> 56  
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 cgcgcgctcg gcgccccggc gccccagcc ccacgcgcgc cgggcgggag ccatggagga 180  
 gggtctccagc tcgcccgtgt cccccgtgga cagcctgggc accagcgagg aggagctcga 240  
 gaggcagccc aagcgcttcg gccggaagcg gcgctacagc aagaagtcga gcgaagatgg 300  
 cagcccgacc ccgggcaagc gcggcaagaa gggcagcccc agcgcgagc ccttcgagga 360  
 gctgcagagc cagcgcatcc tggccaacgt gcgagagcgc cagcgacccc agtcgctcaa 420  
 cgaggccttc gcggcgctgc gcaagatcat ccccacgctg cctcttgaca agctgagcaa 480  
 gatccagagc ctcaagctgg ccgccaggta catagacttc ctctaccagg tcctgcagag 540  
 cgacgagatg gacaataaga tgaccagctg cagctacgtg gccacgagc gcctcagcta 600  
 cgccttctcc gtgtggcgca tggagggcgc gtggtccatg tccgcctccc actagcgccg 660  
 cgccaccac ctccggaccg gcgcgcccag gctgtccgtc gcgtcggcgg cgcaagtggg 720  
 attgggatgc attcagatgc gtaacttctg aaacctgaac aacctcagga ggccccacc 780  
 tctgccctcc accagcgtcg agagaaggga cagcagtgac atcggacaga agacccgggc 840  
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 aagtactgac agtgtggctg tgtatctcgc tccccacca ggaaaaataa agacgtccgc 1380  
 gcaaaaaaaa aaaaaaaaaa aaaaaa 1406

<210> 57  
 <211> 603  
 <212> DNA  
 <213> Homo sapiens

<400> 57  
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 tttctgtttg gatttttctt ctgggtctta tgtttggggg gaggtttatt ctttctgaaa 180  
 atgtctagat tcaggaacac atttatgagg atttggattt tgaatttgta tttccctcta 240  
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 tgcttgtttg ttttatttat tgagatattt ttacaagcta agtgactgca gtgtggctgt 540  
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 aaa 603

<210> 58  
 <211> 1479  
 <212> DNA

PS737 Seq List txt.txt

<213> Homo sapiens

<400> 58

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ttcctggttt	gcctgggtgt	agccatttgt	ctcctctctg	gtgtgactac	aaccagagccc	180
catgcagggc	agcccatgga	cagcaccagc	gtgggaggtg	gcctgcagga	gccagaggcc	240
ccggaagtga	tgtttgagct	gctctgggct	gggctggagc	tggatgtcat	ggggcagctg	300
cacatccagg	atgaggaact	agcgtccaca	caccagggcc	gccgactcag	actcctcctg	360
cagcaccacg	tgcccagtg	cttgaggggc	actgagcagt	ggctgcagca	gctccaggac	420
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tcctgcgtct	accggctcca	cgagctagt	gaggctgagg	aacggggccg	ctggaccag	540
gtcttcgctc	tcctggcaca	ggaaacactc	tgggacctgt	gcaaagggtt	ctgccccag	600
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tgtgtgtgtg	tgtgtgtgtg	tgtgtggaga	tcaggggtca	gggttgagaa	gtgtgttcaa	1020
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ggcagtctgt	gacaggctct	gtggaattca	caggaatcct	ctaggtgctg	agcatcccct	1140
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gggggagtaa	ggctggggaga	ccaaggagag	acaagcggag	gtgggctgga	gcagggtgtg	1380
ccctgattct	gtgttgctct	tctcataaaa	tgttctgttt	cggccaaaaa	aaaaaaaaaa	1440
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaagggc			1479

<210> 59

<211> 605

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (509)..(509)

<223> n equals a,t,g, or c

<400> 59

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ggtagccatt	tgtctcctct	ctggtgtgac	tacaacccag	ccccatgcag	ggcagcccat	180
ggacagcacc	agcgtgggag	gtggcctgca	ggagccagag	gccccggaag	tgatgtttga	240
gctgtcttgg	gctgggctgg	agctggatgt	catggggcag	ctgcacatcc	aggatgagga	300
actagcgtcc	acacacccag	gccgccgact	cagactcctc	ctgcagcacc	acgtgccag	360
tgacttggag	ggcactgagc	agtggctgca	gcagctccag	gacctgcgga	aggggcctcc	420
tccttagcact	tgggactttg	aacatctact	cctcacaggc	ctgtcctgcy	tctaccggct	480
ccacgcagct	agtgaggctg	aggaacggng	ccgctggacc	caggtcttcg	ctctcctggc	540
acaggaaaca	ctctgggacc	tgtgcaaagg	tttctgcccc	caggaccggc	ccccttcctt	600
ggggt						605

<210> 60

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (24)..(24)

<223> n equals a,t,g, or c

<220>

<221> misc\_feature

<222> (55)..(55)

<223> n equals a,t,g, or c

<220>

PS737 Seq List txt.txt

<221> misc\_feature

<222> (75)..(75)

<223> n equals a,t,g, or c

<400> 60

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gattgagatc	gacggcactg	aattcgggtat	ggatcagggtg	ctgcgttttc	atgcgcacaa	180
tattcaggaa	gaggggtggg	cagccttcgc	cgcagaaaat	ctgcccggca	ttatctggca	240
gggaaaccag	tacgatcccc	atccctacga	acttaagggg	atggagttat	cgagtacagg	300
ttcccagcca	acgcccacgc	tgtccgctcg	gaacgtcggg	aactatgtca	ccgcgctgtg	360
ttttgaatat	gacgatattg	tcagggtctaa	gggtcaaaatc	cataccacgc	tttcgaagta	420
tctcgatgcc	gccaactgga	aaaacggtaa	tccgggtgcc	agcccggccg	atgagcgcgt	480
acagctcttt	tacgtcaatg	ccaaaaccgc	agagacgcgt	gtacagggtg	atttcgagct	540
gtgctctcct	ttcgatattc	agagcctgca	gctgccgaca	cggcagatta	cgcctgtctg	600
cacctgggtg	atgcggggct	ggtaccgaag	cgggactgga	tgcgattaca	acggcacgaa	660
atactttacc	aaagacggta	caccgaccga	tgacccgctc	aaagatgtat	gt	712

<210> 61

<211> 1376

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1364)..(1364)

<223> n equals a,t,g, or c

<400> 61

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gctgcagctg	tgcagctcct	acagcgcagc	tgagctcagc	cctcccggcc	cagccctggc	180
tgagctgcgt	caggcccaag	ctgcaggggt	aagcctgagc	ctctacatgg	aagagaatat	240
ccaggacctg	ctgcgtgatg	ctgctgagcg	cttcaagggc	tggatgagcg	tgccagggcc	300
ccagcacacg	gagctggctt	gcaggaaggc	accggatggg	caccccctgc	ggctatggaa	360
ggcatccaca	gaggtggcag	ccccccagc	tgtggtgctg	catcgtgttc	tccgggagcg	420
ggccctctgg	gatgaggatc	tgtctcgggc	ccagggtgctg	gaagccctga	tgccgggtgt	480
ggagctgtac	cactatgtca	ccgacagcat	ggcaccat	ccctgccgcg	actttgtggg	540
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gtgtcttttt	cagaggaatt	ggactggagt	gaatgggcac	aggngtggag	cgcagg	1376

<210> 62

<211> 417

<212> DNA

<213> Homo sapiens

<400> 62

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gtgtgtgtgt	atatgtgttt	atagagatac	acacacatat	atatgtgtgt	atatatatat	180
acatacatat	atatacacac	acgcatttgc	acagacacac	acataatatca	attctcatga	240
gtgtattata	atctctgggt	ggggcaagtg	tctggaaggg	ctgagggggcm	cttcagatka	300
gaatggagag	gtagggagcc	mggtgcagca	ggatycctcm	aatcaataaa	gcmttwccag	360
agatgccctt	ttaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaag	417

<210> 63

PS737 Seq List txt.txt

<211> 1835

<212> DNA

<213> Homo sapiens

<400> 63

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aatgcagtat	gacaggcgct	tcttggcaga	ccagtaaaaa	caaaagccca	tagaccttac	180
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ccgggtggggg	gccctgtccc	tccccagatg	tcctccctct	tcttcacact	cctcattgtc	360
ccttctacct	cactaacctg	tgttctccat	ctgatgtcac	ccagaaccac	acccacaga	420
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cagctgtgct	ctgcaaggca	cacggatgtt	tcccttccac	ctgttcccaa	agctccagca	600
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tgtccatgcc	atccgtggca	tcatctcgag	ttttcatttt	tggatgaagt	gacatttagc	1740
tttaacaaga	catttccaaa	gcgcctagtc	tcctccaaaa	tgctaacttt	aaaagttggg	1800
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<210> 64

<211> 1701

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1683)..(1683)

<223> n equals a,t,g, or c

<220>

<221> misc\_feature

<222> (1696)..(1696)

<223> n equals a,t,g, or c

<220>

<221> misc\_feature

<222> (1701)..(1701)

<223> n equals a,t,g, or c

<400> 64

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actatggttt	acatcctgtt	ggaaacattc	caaatgggac	ttgtgtatta	taccaggagg	420
gctctcatat	ataccatctt	ggcatctgta	ctgatgaata	agttataatg	aacagttaaa	480
aatgctcatt	gaaaattaaa	taaaacaaaa	aggcagttat	ttcatgcttg	gtcaaaaaca	540
tcaatacctt	tccaattaac	actgagaaat	taaggtttaag	attctccttt	tgtactggga	600

PS737 Seq List txt.txt

aacaggctgg	aggactatgg	tcctcaagtt	tagaccaaga	ggactatggt	ctcaagggtc	660
accatgagaa	atgtgttgaa	catttttagta	tgctctattg	tataattttt	ttggaggggg	720
ggatggagtt	tcgctgttgt	tgcccaggct	ggagtgcaat	agcaccatct	tggctcaccg	780
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cgtgttggtc	aggctgggtc	caaactcctg	acctcagggtg	atctgcctgt	cttgcctccg	960
gcgtaacact	ttttaagacc	agtgtaacag	aaagagaatg	tagccattct	agccaccgtt	1020
aaaagataca	cagtgaagggtg	ttgtgttttg	ttttttta	gatgaaaagt	tacacatttt	1080
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gcnaaaagct	actcgnccac	n				1701

<210> 65  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 65  
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 Leu Gly Ser Ala Thr Ala Gly Arg Val Pro Ala Arg Thr Thr Pro Leu  
 35 40 45  
 Pro Gly Ser Pro Leu Ser Pro Gln Val Ala Leu Gly Phe Ala Asp Gly  
 50 55 60  
 Ser Cys Asp Pro Ser Asp Gln Cys Pro Pro Gln Ala Arg Trp Ser Ser  
 65 70 75 80  
 Leu Trp His Val Gly Leu Ile Leu Leu Ala Val Leu Leu Leu Leu Leu  
 85 90 95  
 Cys Gly Val Thr Ala Gly Cys Val Arg Phe Cys Cys Leu Arg Lys Gln  
 100 105 110  
 Ala Gln Ala Gln Pro His Leu Pro Pro Ala Arg Gln Pro Cys Asp Val  
 115 120 125  
 Ala Val Ile Pro Met Asp Ser Asp Ser Pro Val His Ser Thr Val Thr  
 130 135 140  
 Ser Tyr Ser Ser Val Gln Tyr Pro Leu Gly Met Arg Leu Pro Leu Pro  
 145 150 155 160  
 Phe Gly Glu Leu Asp Leu Asp Ser Thr Ala Pro Pro Ala Tyr Ser Leu  
 165 170 175  
 Tyr Thr Pro Glu Pro Pro Pro Ser Tyr Asp Glu Ala Val Lys Met Ala  
 180 185 190  
 Lys Pro Arg Glu Glu Gly Pro Ala Leu Ser Gln Lys Pro Ser Pro Leu  
 195 200 205  
 Leu Gly Ala Ser Gly Leu Glu Thr Thr Pro Val Pro Gln Glu Ser Gly  
 210 215 220

PS737 Seq List txt.txt

Pro Asn Thr Gln Leu Pro Pro Cys Ser Pro Gly Ala Pro  
225 230 235

<210> 66  
<211> 202  
<212> PRT  
<213> Homo sapiens

<400> 66  
Met Met Ser Leu Thr Leu Leu Phe Cys Leu Leu Ser Phe Gln Phe Pro  
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Phe Val Phe Pro Ala Arg Asn Ile Ser Leu Lys Cys Val Gln Asp Thr  
20 25 30  
Asp Glu Phe Leu Ser Asp Leu Asn Ser Val Lys Pro Lys Glu Tyr Ala  
35 40 45  
Leu Arg Met Tyr Asp Ser Leu Gly Lys Leu Gly Ser Asn Thr Phe Asn  
50 55 60  
Gly Asn Asn Gly Gln Ala Gly Ile Ile His Gly Val Ser Phe His Pro  
65 70 75 80  
Cys Ser Gln Gly Glu Leu Pro Arg Val Val Leu Gln Ala Ser Tyr Thr  
85 90 95  
Ala Ala Ala Asn Leu Leu Gly Met Ile Met Arg Ile Cys Tyr Glu Cys  
100 105 110  
Gln Asn Glu Arg Thr Leu Trp Arg Cys Val Ser Gln Asp Gly Ala Asp  
115 120 125  
Tyr Ser Val Gly Val Cys Val Pro Asp Ser Cys Ala Glu Glu Asp Val  
130 135 140  
Thr Leu Met Ser Arg Leu Asp Val Arg Gln Pro Ala Arg Gln Tyr Gln  
145 150 155 160  
Val Glu Ala Val Cys Thr Asp Cys Thr His Pro Glu Glu Gly Ser Arg  
165 170 175  
Glu Gly Trp Ser Gln Ile Gly Arg Glu Lys Val Pro Gln Tyr Cys Arg  
180 185 190  
Gly Arg Ala Arg Ser Trp Gln Val Arg Thr  
195 200

<210> 67  
<211> 98  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 67  
Met Gly Glu Pro Gly Gln Ser Pro Ser Pro Arg Ser Ser His Gly Ser  
1 5 10 15  
Pro Pro Thr Leu Ser Thr Leu Thr Leu Leu Leu Leu Cys Gly His  
20 25 30

PS737 Seq List txt.txt

Ala His Ser Gln Cys Xaa Ile Leu Arg Cys Asn Ala Glu Tyr Val Ser  
                   35                  40                  45  
 Ser Thr Leu Ser Leu Arg Gly Gly Gly Ser Ser Gly Ala Leu Arg Gly  
           50                  55                  60  
 Gly Gly Gly Gly Gly Arg Gly Gly Gly Val Gly Ser Gly Gly Leu Cys  
   65                  70                  75                  80  
 Arg Ala Leu Gln Val Ser Asp Ser Leu Asp Gln Ser Ala Ile Val Gly  
                   85                  90                  95  
 Glu Leu

<210> 68  
 <211> 104  
 <212> PRT  
 <213> Homo sapiens

<400> 68  
 Met Phe Ser Glu Ala Leu Leu Ile His Arg Thr Tyr Leu Ala Tyr Leu  
   1                  5                  10                  15  
 Phe Ala Cys Leu Leu Leu Met Ser Ser Leu Thr Glu Ser Leu Leu Gln  
                   20                  25                  30  
 Arg Thr Thr Pro Ala Ser Arg Pro Arg Asn Val Gly Lys Gly Lys Ala  
                   35                  40                  45  
 Trp Leu Val Leu Val Glu Met Glu Met Leu Val Thr Val Glu Glu Cys  
   50                  55                  60  
 Pro Pro Ser Asp Ser Gln Trp Gly Gly Ala Leu Gly Pro Cys His Cys  
   65                  70                  75                  80  
 Pro Arg Thr Ser Ala Phe Gly Cys Pro Ala Glu Arg Met Arg His Leu  
                   85                  90                  95  
 Ser Ser Ser Phe Trp Ser Pro Glu  
                   100

<210> 69  
 <211> 187  
 <212> PRT  
 <213> Homo sapiens

<400> 69  
 Val Asp Met Ala Ala Gly Pro Ile Arg Val Val Leu Val Leu Leu Gly  
   1                  5                  10                  15  
 Val Leu Ser Val Cys Ala Ala Ser Gly His Gly Ser Val Ala Glu Arg  
                   20                  25                  30  
 Glu Ala Gly Gly Glu Ala Glu Trp Ala Glu Pro Trp Asp Gly Ala Val  
                   35                  40                  45  
 Phe Arg Pro Pro Ser Ala Leu Gly Ala Pro Pro Arg Gly Val Ala Pro  
   50                  55                  60  
 Gln Gln Leu Leu Ala Glu Pro Arg Pro Gly His Pro Pro Leu Gln Ser  
   65                  70                  75                  80



PS737 Seq List txt.txt

Tyr Leu His Leu Gln Ser Pro Leu Gly Leu Pro Ala Val Ala Ala Val  
85 90 95  
Ala Ala Arg Asp Arg Leu Ser Ala Pro Pro Gly Ala Ser Ala His Gly  
100 105 110  
Thr Arg Gly Val Ala Pro Pro Arg Leu Arg Ala Ala Ala Leu Ser Ala  
115 120 125  
Val Thr Leu Arg Arg Ala Ser Gly Pro Gly Pro Leu Arg Ala Arg Ala  
130 135 140  
His Ala Pro His Pro Gly Arg Leu Leu Arg Glu Met Pro Ala Glu Ser  
145 150 155 160  
Gly Ala Ala Tyr Arg Ala Ala Thr Gly His Ser His Gly His His Arg  
165 170 175  
Gly Ser Arg Ala Leu Gly Phe Leu Val Pro Leu  
180 185

<210> 70  
<211> 319  
<212> PRT  
<213> Homo sapiens

<400> 70  
Met Leu Pro Arg Arg Pro Leu Ala Trp Pro Ala Trp Leu Leu Arg Gly  
1 5 10 15  
Ala Pro Gly Ala Ala Gly Ser Trp Gly Arg Pro Val Gly Pro Leu Ala  
20 25 30  
Arg Arg Gly Cys Cys Ser Ala Pro Gly Thr Pro Glu Val Pro Leu Thr  
35 40 45  
Arg Glu Arg Tyr Pro Val Gln Arg Leu Pro Phe Ser Thr Val Ser Lys  
50 55 60  
Gln Asp Leu Ala Ala Phe Glu Arg Ile Val Pro Gly Gly Val Val Thr  
65 70 75 80  
Asp Pro Glu Ala Leu Gln Ala Pro Asn Val Asp Trp Leu Arg Thr Leu  
85 90 95  
Arg Gly Cys Ser Lys Val Leu Leu Arg Pro Arg Thr Ser Glu Glu Val  
100 105 110  
Ser His Ile Leu Arg His Cys His Glu Arg Asn Leu Ala Val Asn Pro  
115 120 125  
Gln Gly Gly Asn Thr Gly Met Val Gly Gly Ser Val Pro Val Phe Asp  
130 135 140  
Glu Ile Ile Leu Ser Thr Ala Arg Met Asn Arg Val Leu Ser Phe His  
145 150 155 160  
Ser Val Ser Gly Ile Leu Val Cys Gln Ala Gly Cys Val Leu Glu Glu  
165 170 175  
Leu Ser Arg Tyr Val Glu Glu Arg Asp Phe Ile Met Pro Leu Asp Leu  
180 185 190  
Gly Ala Lys Gly Ser Cys His Ile Gly Gly Asn Val Ala Thr Asn Ala  
195 200 205

PS737 Seq List txt.txt

Gly Gly Leu Arg Phe Leu Arg Tyr Gly Ser Leu His Gly Thr Val Leu  
 210 215 220  
 Gly Leu Glu Val Val Leu Ala Asp Gly Thr Val Leu Asp Cys Leu Thr  
 225 230 235 240  
 Ser Leu Arg Lys Asp Asn Thr Gly Tyr Asp Leu Lys Gln Leu Phe Ile  
 245 250 255  
 Gly Ser Glu Gly Thr Leu Gly Ile Ile Thr Thr Val Ser Ile Leu Cys  
 260 265 270  
 Pro Pro Lys Pro Arg Ala Val Asn Val Ala Phe Leu Val Thr Cys Val  
 275 280 285  
 Leu Pro Ala Cys Gly Pro Gly Ser Pro Arg Pro Ala Arg Leu Pro His  
 290 295 300  
 Pro Ala Leu Arg Thr Pro Gly Val Cys Pro Gln Pro Leu Arg Leu  
 305 310 315

<210> 71  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 71  
 Met Leu Trp Lys Leu Lys Leu Ser Arg Cys Trp Leu Asp Leu Thr Leu  
 1 5 10 15  
 Leu Ile Phe Ser Gln Ile Ser His Met Asp Gln Ile Ile Phe Phe Phe  
 20 25 30  
 Val Val Tyr Pro Ile Leu Asn Asn Ile Phe Ser Leu Asn Tyr Cys Arg  
 35 40 45  
 Asp Phe Phe Cys Gly Gly Tyr Phe Leu Phe Cys Ser Lys Ile Ile Arg  
 50 55 60  
 Cys Lys Ala Ile Leu Cys Leu Thr Val Ala Leu Ser Lys Gln Leu Cys  
 65 70 75 80  
 Ser Gly Val Ala Phe Asp Val Leu Glu Phe Asp Tyr Met Gln Ser Cys  
 85 90 95  
 Ile

<210> 72  
 <211> 333  
 <212> PRT  
 <213> Homo sapiens

<400> 72  
 Met Arg Ile Trp Trp Leu Leu Leu Ala Ile Glu Ile Cys Thr Gly Asn  
 1 5 10 15  
 Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly  
 20 25 30  
 Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala  
 35 40 45  
 Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro  
 Page 34

PS737 Seq List txt.txt

50 55 60  
 Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly  
 65 70 75 80  
 Lys Val Glu Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser  
 85 90 95  
 Pro Gly Lys His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys  
 100 105 110  
 Gly Leu Arg Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly  
 115 120 125  
 Asp Val Gly Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro  
 130 135 140  
 Leu Gly Pro Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro  
 145 150 155 160  
 Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly  
 165 170 175  
 Val Arg Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys  
 180 185 190  
 Ile Gly Glu Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu  
 195 200 205  
 Thr Val Leu Ser Lys Phe Pro Ser Ser Asp Val Pro Ile Lys Phe Asp  
 210 215 220  
 Lys Ile Leu Tyr Asn Glu Phe Asn His Tyr Asp Thr Ala Ala Gly Lys  
 225 230 235 240  
 Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr His Ile Thr  
 245 250 255  
 Val Phe Ser Arg Asn Val Gln Val Ser Leu Val Lys Asn Gly Val Lys  
 260 265 270  
 Ile Leu His Thr Lys Asp Ala Tyr Met Ser Ser Glu Asp Gln Ala Ser  
 275 280 285  
 Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu Val Trp Leu Gln  
 290 295 300  
 Val Thr Gly Gly Glu Arg Phe Asn Gly Leu Phe Ala Asp Glu Asp Asp  
 305 310 315 320  
 Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser Ser Pro  
 325 330

<210> 73  
 <211> 96  
 <212> PRT  
 <213> Homo sapiens

<400> 73  
 Met Ile Ser Cys Leu Ile Leu Leu Gly Pro Gly Arg Cys Gly Ala Cys  
 1 5 10 15  
 Asn Cys Ser Thr Phe Ser Trp Val Phe Leu Phe Ser Phe Phe Gly Ser  
 20 25 30  
 Leu Ala Met Cys Val Leu Tyr Asp Glu Ala Pro Ser Phe Cys Arg Ile

35

Ser Ile Leu Pro Arg Ser Lys Ala Thr Ile Ser Asp Val Gly Leu Ser  
50 55 60  
Leu Phe Ser Trp Ala Thr Met His Ala Ser Gly Phe Gln Val Val Leu  
65 70 75 80  
Ala Leu Pro Tyr Phe Thr Phe Ile Leu Pro Ser Gln Leu Pro Val Arg  
85 90 95

<210> 74  
<211> 192  
<212> PRT  
<213> Homo sapiens

<400> 74  
Met Gly Lys Ile Ser Val Ser Phe Leu Ile Phe Ala Phe Leu Phe Lys  
1 5 10 15  
Gly Phe Ser Ile Gly Lys Ala Thr Asp Arg Met Asp Ala Phe Arg Lys  
20 25 30  
Ala Lys Asn Arg Ala Val His His Leu His Tyr Ile Glu Arg Tyr Glu  
35 40 45  
Asp His Thr Ile Phe His Asp Ile Ser Leu Arg Phe Lys Arg Thr His  
50 55 60  
Ile Lys Met Lys Lys Gln Pro Lys Gly Tyr Gly Leu Arg Cys His Arg  
65 70 75 80  
Ala Ile Ile Thr Ile Cys Arg Leu Ile Gly Ile Lys Asp Met Tyr Ala  
85 90 95  
Lys Val Ser Gly Ser Ile Asn Met Leu Ser Leu Thr Gln Gly Leu Phe  
100 105 110  
Arg Gly Leu Ser Arg Gln Glu Thr His Gln Gln Leu Ala Asp Lys Lys  
115 120 125  
Gly Leu His Val Val Glu Ile Arg Glu Glu Cys Gly Pro Leu Pro Ile  
130 135 140  
Val Val Ala Ser Pro Arg Gly Pro Leu Arg Lys Asp Pro Glu Pro Glu  
145 150 155 160  
Asp Glu Val Pro Asp Val Lys Leu Asp Trp Glu Asp Val Lys Thr Ala  
165 170 175  
Gln Gly Met Lys Arg Ser Val Trp Ser Asn Leu Lys Arg Ala Ala Thr  
180 185 190

<210> 75  
<211> 119  
<212> PRT  
<213> Homo sapiens

PS737 Seq List txt.txt

<400> 75

Met Ser Val Cys Phe Leu Gln Phe Leu Leu Met Val Leu Thr Gly Thr  
1 5 10 15  
Glu Ser Ile Tyr Ser Thr Leu Gln Asn Cys Val Ser Cys Ile Val Ile  
20 25 30  
Gln Phe Ile Asp Leu Tyr Ser Ile Val Ile Thr Thr His Ser Gly Met  
35 40 45  
His Glu Ser Glu Ala Glu His His Leu Arg Leu Val Leu Tyr Asn Ile  
50 55 60  
Ile Pro Thr Asp Val Gly Pro Gly Asn Arg Thr Glu Pro Val Phe Phe  
65 70 75 80  
Leu Met Leu Ser Arg Leu Pro Pro Val Gly Leu Leu Leu Asp Ile Ser  
85 90 95  
Pro Phe Gly Leu Phe Leu His Ser Asn Pro Ala Gly Thr Val Asn Asn  
100 105 110  
Trp Met Phe Ile Lys Trp Gly  
115

<210> 76

<211> 169

<212> PRT

<213> Homo sapiens

<400> 76

Met Tyr Gln Tyr Arg Val Asp Thr Gly Asn Phe Gln Gly Met Lys Val  
1 5 10 15  
Phe Phe Met Val Val Ala Ala Val Tyr Ile Leu Tyr Leu Leu Phe Leu  
20 25 30  
Ile Val Arg Ala Cys Ser Glu Leu Arg His Met Pro Tyr Val Asp Leu  
35 40 45  
Arg Leu Lys Phe Leu Thr Ala Leu Thr Phe Val Val Leu Val Ile Ser  
50 55 60  
Ile Ala Ile Leu Tyr Leu Arg Phe Gly Ala Gln Val Leu Gln Asp Asn  
65 70 75 80  
Phe Val Ala Glu Leu Ser Thr His Tyr Gln Asn Ser Ala Glu Phe Leu  
85 90 95  
Ser Phe Tyr Gly Leu Leu Asn Phe Tyr Leu Tyr Thr Leu Ala Phe Val  
100 105 110  
Tyr Ser Pro Ser Lys Asn Ala Leu Tyr Glu Ser Gln Leu Lys Asp Asn  
115 120 125  
Pro Ala Phe Ser Met Leu Asn Asp Ser Asp Asp Val Ile Tyr Gly  
130 135 140  
Ser Asp Tyr Glu Glu Met Pro Leu Gln Asn Gly Gln Ala Ile Arg Ala  
145 150 155 160  
Lys Tyr Lys Glu Glu Ser Asp Ser Asp  
165

PS737 Seq List txt.txt

<210> 77  
 <211> 133  
 <212> PRT  
 <213> Homo sapiens

<400> 77  
 Met Pro Pro Leu Pro Pro Ile Phe Gln Lys Ser Leu Ala Pro Leu Phe  
 1 5 10 15  
 Leu Phe Leu His Pro Ser Pro Gln Arg Ser Leu Thr Arg Asn Lys Gln  
 20 25 30  
 Glu Asp Ser Val Ile Tyr Lys Arg His Phe Ser Phe Thr Arg Thr Glu  
 35 40 45  
 Asn Ser Thr Gln His Tyr Arg Ile Leu Arg Leu Leu Lys Phe Leu Ile  
 50 55 60  
 Phe Leu Gly Ile Tyr Ile Leu Ile Arg Glu Pro Met Val Leu Gln Thr  
 65 70 75 80  
 Phe Glu Lys Asn Thr Tyr Thr Leu Asp Asn Phe Lys Arg Tyr Lys Gln  
 85 90 95  
 Thr Gln Leu Ser Phe Phe Leu Ile Pro Val Leu Gln Pro Pro Ser Phe  
 100 105 110  
 Phe Ser Pro Glu Gly Ile Ser Tyr His Leu Leu Val Ile Leu Pro Asp  
 115 120 125  
 Tyr Pro Val Pro Met  
 130

<210> 78  
 <211> 56  
 <212> PRT  
 <213> Homo sapiens

<400> 78  
 Met Asn Thr Tyr Lys Pro Phe Ala Lys Tyr Lys Asn Met Thr Cys Phe  
 1 5 10 15  
 Leu His Leu Leu Met Cys Phe Phe Pro Phe Pro Phe Leu Cys Cys Leu  
 20 25 30  
 Pro Cys Ile His Gly His Phe Lys Ile Cys Tyr Ser Ile Ala Tyr Ser  
 35 40 45  
 Val Gly Arg Phe Arg Phe Phe Ser  
 50 55

<210> 79  
 <211> 285  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (99)  
 <223> xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (248)

<223> xaa equals any of the naturally occurring L-amino acids

<400> 79

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Met Thr Asp Tyr Trp Val Leu Ile Phe Phe Asn Leu Leu Phe Thr Ser
 1          5          10          15
Ala Pro Pro Val Ile Tyr Gly Val Leu Glu Lys Asp Val Ser Ala Glu
          20          25          30
Thr Leu Met Gln Leu Pro Glu Leu Tyr Arg Ser Gly Gln Lys Ser Glu
          35          40          45
Ala Tyr Leu Pro His Thr Phe Trp Ile Thr Leu Leu Asp Ala Phe Tyr
          50          55          60
Gln Ser Leu Val Cys Phe Phe Val Pro Tyr Phe Thr Tyr Gln Gly Ser
          65          70          75          80
Asp Thr Asp Ile Phe Ala Phe Gly Asn Pro Leu Asn Thr Ala Ala Leu
          85          90          95
Phe Ile Xaa Leu Leu His Leu Val Ile Glu Ser Lys Ser Leu Thr Trp
          100          105          110
Ile His Leu Leu Val Ile Ile Gly Ser Ile Leu Ser Tyr Phe Leu Phe
          115          120          125
Ala Ile Val Phe Gly Ala Met Cys Val Thr Cys Asn Pro Pro Ser Asn
          130          135          140
Pro Tyr Trp Ile Met Gln Glu His Met Leu Asp Pro Val Phe Tyr Leu
          145          150          155          160
Val Cys Ile Leu Thr Thr Ser Ile Ala Leu Leu Pro Arg Phe Val Tyr
          165          170          175
Arg Val Leu Gln Gly Ser Leu Phe Pro Ser Pro Ile Leu Arg Ala Lys
          180          185          190
His Phe Asp Arg Leu Thr Pro Glu Glu Arg Thr Lys Ala Leu Lys Lys
          195          200          205
Trp Arg Gly Ala Gly Lys Met Asn Gln Val Thr Ser Lys Tyr Ala Asn
          210          215          220
Gln Ser Ala Gly Lys Ser Gly Arg Arg Pro Met Pro Gly Pro Ser Ala
          225          230          235          240
Val Phe Ala Met Lys Ser Ala Xaa Ser Cys Ala Ile Glu Gln Gly Asn
          245          250          255
Leu Ser Leu Cys Glu Thr Ala Leu Asp Gln Gly Tyr Ser Glu Thr Lys
          260          265          270
Ala Phe Glu Met Ala Gly Pro Ser Lys Gly Lys Glu Ser
          275          280          285

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<210> 80

<211> 87

<212> PRT

<213> Homo sapiens

<400> 80

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Met His Phe Leu Arg Gly Leu Pro Ala Gly Ala Pro Leu Arg Leu Val
 1          5          10          15

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PS737 Seq List txt.txt

Phe Leu Leu Asn Val Leu Leu Leu Gly Leu Trp Asn Phe Leu Leu Leu  
 20 25 30  
 Cys Thr Val Ile Tyr Phe His Gln Tyr Thr His Lys Val Val Gly Ala  
 35 40 45  
 Ala Val Gly Thr Phe Ala Trp Tyr Leu Thr Tyr Gly Ser Trp Tyr His  
 50 55 60  
 Gln Pro Trp Ser Pro Gly Ser Pro Gly His Gly Leu Phe Pro Arg Pro  
 65 70 75 80  
 His Ser Ser Arg Lys His Asn  
 85

<210> 81  
 <211> 86  
 <212> PRT  
 <213> Homo sapiens

<400> 81  
 Met Val Ile Leu Phe Leu Phe Gly Phe Phe Phe Trp Val Leu Cys Leu  
 1 5 10 15  
 Gly Gly Gly Leu Phe Phe Leu Lys Met Ser Arg Phe Arg Asn Thr Phe  
 20 25 30  
 Met Arg Ile Trp Ile Leu Asn Leu Tyr Phe Pro Leu Ser Ala Phe Phe  
 35 40 45  
 Asn Val Tyr Phe Phe Asn Lys Thr Glu Met His Ser Cys Thr Ile Leu  
 50 55 60  
 Leu Lys Leu Asp Gln Gly Ser Gln Lys Arg Thr Pro Glu Phe Leu Pro  
 65 70 75 80  
 Leu Pro Arg Ala Ser Ala  
 85

<210> 82  
 <211> 105  
 <212> PRT  
 <213> Homo sapiens

<400> 82  
 Arg Thr Arg Lys Thr Ala Gln Gly Thr Glu Thr Ala Arg Thr Leu Gln  
 1 5 10 15  
 Ala Gln Phe Gly Asp Gly Tyr Lys Gln Ile Ala Gly Met Gly Ile Asn  
 20 25 30  
 Asp Lys Gln Glu Thr Trp Asn Leu Asp Trp Thr Gly Thr Arg Gln Glu  
 35 40 45  
 Ala Ala Ala Leu Arg Ala Phe Leu Met Ser His Val Thr Lys Ser Phe  
 50 55 60  
 Trp Trp Thr Thr Pro Trp Gly Glu Lys Lys Leu Phe Arg Met Lys Ala  
 65 70 75 80  
 Asp Ser Phe Ser Val Ser Phe Pro Thr Gly Lys Lys Ala Thr Val Ala  
 85 90 95  
 Phe Thr Phe Glu Gln Ala Phe Ala Pro



100

<210> 83  
<211> 137  
<212> PRT  
<213> Homo sapiens

<400> 83  
Met Ser Pro Thr Ala Trp His Pro Ile Pro Ala Ala Thr Leu Trp Cys  
1 5 10 15  
Phe Gly Cys Gly Ala Leu Thr Cys Leu Val Gly Val Ala Cys Leu Ser  
20 25 30  
Pro Ser Pro Trp Ile Arg Asn Asn Leu Cys Gln Ser Arg Val Cys Glu  
35 40 45  
Pro Ser Cys Ser His Pro Ser Thr Ser Trp Ser Leu Ala Ala Trp Ala  
50 55 60  
Ala Leu Gly Ser His Thr Ser Ala Gly Leu Thr Ser Gly Ala Val Leu  
65 70 75 80  
Leu Thr Gly Thr Thr Lys Ser Leu Asp Thr Cys Val Pro Trp Lys Trp  
85 90 95  
Gln Arg Ser Gly Thr Pro Ser Pro Pro Cys Arg Gln Arg Ala Leu Arg  
100 105 110  
Gln Ser Cys Glu Pro Trp Ala Gly Pro Arg Val Ala Pro Pro Arg Pro  
115 120 125  
Pro Gly His Gln Gly Ser Glu Gly Glu  
130 135

<210> 84  
<211> 145  
<212> PRT  
<213> Homo sapiens

<400> 84  
Met Ser Ser Leu Phe Phe Thr Leu Leu Ile Val Pro Ser Thr Ser Leu  
1 5 10 15  
Thr Cys Val Leu His Leu Met Ser Pro Arg Thr Thr Pro His Arg Thr  
20 25 30  
Val Arg His Val Gly Trp Arg Glu Gln Lys Ser Cys Gln Arg Ser Arg  
35 40 45  
His Glu His Pro Ser Ala Trp Trp Ala Gly Phe Val Cys Leu Ser Phe  
50 55 60  
Cys Glu Arg Asn Thr Asp Lys Gln Leu Cys Ser Ala Arg His Thr Asp  
65 70 75 80  
Val Ser Leu Pro Pro Val Pro Lys Ala Pro Ala Ala Val Ser Phe Ala  
85 90 95  
Gly Arg Ala Trp Ser Arg Gly Ser Glu Gly Leu Val Phe Gly Pro Pro  
100 105 110  
Ser Phe Leu Ser Ser Pro Ala Gln Leu Leu Arg Ser Ile Met Ala Ile  
115 120 125

PS737 Seq List txt.txt

Ile Leu Val Pro Asp Cys Pro Lys Val Pro Ser Trp Leu Trp Gly Thr  
130 135 140

Leu  
145

<210> 85  
<211> 237  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (169)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 85  
Met Ala Arg Gly Pro Leu Ala Ala Arg Gly Leu Arg Leu Leu Leu Pro  
1 5 10 15

Leu Leu Pro Leu Leu Pro Leu Pro Gln Val Gly Arg Ala Ala Phe Ser  
20 25 30

Leu Gly Ser Ala Thr Ala Gly Arg Val Pro Xaa Xaa Thr Thr Pro Leu  
35 40 45

Pro Gly Ser Pro Leu Ser Pro Gln Val Ala Leu Gly Phe Ala Asp Gly  
50 55 60

Ser Cys Asp Pro Ser Asp Gln Cys Pro Pro Gln Ala Arg Trp Ser Ser  
65 70 75 80

Leu Trp His Val Gly Leu Ile Leu Leu Ala Val Leu Leu Leu Leu Leu  
85 90 95

Cys Gly Val Thr Ala Gly Cys Val Arg Phe Cys Cys Leu Arg Lys Gln  
100 105 110

Ala Gln Ala Gln Pro His Leu Pro Pro Ala Arg Gln Pro Cys Asp Val  
115 120 125

Ala Val Ile Pro Met Asp Ser Asp Ser Pro Val His Ser Thr Val Thr  
130 135 140

Ser Tyr Ser Ser Val Gln Tyr Pro Leu Gly Met Arg Leu Pro Leu Pro  
145 150 155 160

Phe Gly Glu Leu Asp Leu Asp Ser Xaa Ala Pro Pro Ala Tyr Ser Leu  
165 170 175

Tyr Thr Pro Glu Pro Pro Pro Ser Tyr Asp Glu Ala Val Lys Met Ala  
180 185 190

Lys Pro Arg Glu Glu Gly Pro Ala Leu Ser Gln Lys Pro Ser Pro Leu  
195 200 205

PS737 Seq List txt.txt

Leu Gly Ala Ser Gly Leu Glu Thr Thr Pro Val Pro Gln Glu Ser Gly  
210 215 220

Pro Asn Thr Gln Leu Pro Pro Cys Ser Pro Gly Ala Pro  
225 230 235

<210> 86  
<211> 202  
<212> PRT  
<213> Homo sapiens

<400> 86  
Met Met Ser Leu Thr Leu Leu Phe Cys Leu Leu Ser Phe Gln Phe Pro  
1 5 10 15  
Phe Val Phe Pro Ala Arg Asn Ile Ser Leu Lys Cys Val Gln Asp Thr  
20 25 30  
Asp Glu Phe Leu Ser Asp Leu Asn Ser Val Lys Pro Lys Glu Tyr Ala  
35 40 45  
Leu Arg Met Tyr Asp Ser Leu Gly Lys Leu Gly Ser Asn Thr Phe Asn  
50 55 60  
Gly Asn Asn Gly Gln Ala Gly Ile Ile His Gly Val Ser Phe His Pro  
65 70 75 80  
Cys Ser Gln Gly Glu Leu Pro Arg Val Val Leu Gln Ala Ser Tyr Thr  
85 90 95  
Ala Ala Ala Asn Leu Leu Gly Met Ile Met Arg Ile Cys Tyr Glu Cys  
100 105 110  
Gln Asn Glu Arg Thr Leu Trp Arg Cys Val Ser Gln Asp Gly Ala Asp  
115 120 125  
Tyr Ser Val Gly Val Cys Val Pro Asp Ser Cys Ala Glu Glu Asp Val  
130 135 140  
Thr Leu Met Ser Arg Leu Asp Val Arg Gln Pro Ala Arg Gln Tyr Gln  
145 150 155 160  
Val Glu Ala Val Cys Thr Asp Cys Thr His Pro Glu Glu Gly Ser Arg  
165 170 175  
Glu Gly Trp Ser Gln Ile Gly Arg Glu Lys Val Pro Gln Tyr Cys Arg  
180 185 190  
Gly Arg Ala Arg Ser Trp Gln Val Arg Thr  
195 200

<210> 87  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 87  
Met Gly Glu Pro Gly Gln Ser Pro Ser Pro Arg Ser Ser His Gly Ser  
1 5 10 15  
Pro Pro Thr Leu Ser Thr Leu Thr Leu Leu Leu Leu Cys Gly His  
20 25 30

PS737 Seq List txt.txt

Ala His Ser Gln Cys Lys Ile Leu Arg Cys Asn Ala Glu Tyr Val Ser  
 35 40 45  
 Ser Thr Leu Ser Leu Arg Gly Gly Gly Ser Ser Gly Ala Leu Arg Gly  
 50 55 60  
 Gly Gly Gly Gly Gly Arg Gly Gly Gly Val Gly Ser Gly Gly Leu Cys  
 65 70 75 80  
 Arg Ala Leu Gln Val Ser Asp Ser Leu Asp Gln Ser Ala Ile Val Gly  
 85 90 95  
 Glu Leu

<210> 88  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

<400> 88  
 Met Phe Ser Glu Ala Leu Leu Ile His Arg Thr Tyr Leu Ala Tyr Leu  
 1 5 10 15  
 Phe Ala Cys Leu Leu Leu Met Ser Ser Leu Thr Glu Ser Leu Leu Gln  
 20 25 30  
 Arg Thr Thr Pro Ala Ser Arg Pro Arg Asn Val Gly Lys Gly Lys Ala  
 35 40 45  
 Trp Leu Val Leu Val Glu Met Glu Met Leu Val Thr Val Glu Glu Cys  
 50 55 60  
 Pro Pro Ser Asp Ser Gln Gly Glu Val Leu Trp Ala Pro Ala Thr Ala  
 65 70 75 80  
 Arg Gly Leu Gln Leu Val Val Leu Leu Arg Gly Cys Gly Ile  
 85 90 95

<210> 89  
 <211> 187  
 <212> PRT  
 <213> Homo sapiens

<400> 89  
 Val Asp Met Ala Ala Gly Pro Ile Arg Val Val Leu Val Leu Leu Gly  
 1 5 10 15  
 Val Leu Ser Val Cys Ala Ala Ser Gly His Gly Ser Val Ala Glu Arg  
 20 25 30  
 Glu Ala Gly Gly Glu Ala Glu Trp Ala Glu Pro Trp Asp Gly Ala Val  
 35 40 45  
 Phe Arg Pro Pro Ser Ala Leu Gly Ala Pro Pro Arg Gly Val Ala Pro  
 50 55 60  
 Gln Gln Leu Leu Ala Glu Pro Arg Pro Gly His Pro Pro Leu Gln Ser  
 65 70 75 80  
 Tyr Leu His Leu Gln Ser Pro Leu Gly Leu Pro Ala Val Ala Ala Val  
 85 90 95  
 Ala Ala Arg Asp Arg Leu Ser Ala Pro Pro Gly Ala Ser Ala His Gly

PS737 Seq List txt.txt

100 105 110  
 Thr Arg Gly Val Ala Pro Pro Arg Leu Arg Ala Ala Ala Leu Ser Ala  
 115 120 125  
 Val Thr Leu Arg Arg Ala Ser Gly Pro Gly Pro Leu Arg Ala Arg Ala  
 130 135 140  
 His Ala Pro His Pro Gly Arg Leu Leu Arg Glu Met Pro Ala Glu Ser  
 145 150 155 160  
 Gly Ala Ala Tyr Arg Ala Ala Thr Gly His Ser His Gly His His Arg  
 165 170 175  
 Gly Ser Arg Ala Leu Gly Phe Leu Val Pro Leu  
 180 185

<210> 90  
 <211> 187  
 <212> PRT  
 <213> Homo sapiens

<400> 90  
 Val Asp Met Ala Ala Gly Pro Ile Arg Val Val Leu Val Leu Leu Gly  
 1 5 10 15  
 Val Leu Ser Val Cys Ala Ala Ser Gly His Gly Ser Val Ala Glu Arg  
 20 25 30  
 Glu Ala Gly Gly Glu Ala Glu Trp Ala Glu Pro Trp Asp Gly Ala Val  
 35 40 45  
 Phe Arg Pro Pro Ser Ala Leu Gly Ala Pro Pro Arg Gly Val Ala Pro  
 50 55 60  
 Gln Gln Leu Leu Ala Glu Pro Arg Pro Gly His Pro Pro Leu Gln Ser  
 65 70 75 80  
 Tyr Leu His Leu Gln Ser Pro Leu Gly Leu Pro Ala Val Ala Ala Val  
 85 90 95  
 Ala Ala Arg Asp Arg Leu Ser Ala Pro Pro Gly Ala Ser Ala His Gly  
 100 105 110  
 Thr Arg Gly Val Ala Pro Pro Arg Leu Arg Ala Ala Ala Leu Ser Ala  
 115 120 125  
 Val Thr Leu Arg Arg Ala Ser Gly Pro Gly Pro Leu Arg Ala Arg Ala  
 130 135 140  
 His Ala Pro His Pro Gly Arg Leu Leu Arg Glu Met Pro Ala Glu Ser  
 145 150 155 160  
 Gly Ala Ala Tyr Arg Ala Ala Thr Gly His Ser His Gly His His Arg  
 165 170 175  
 Gly Ser Arg Ala Leu Gly Phe Leu Val Pro Leu  
 180 185

<210> 91  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

PS737 Seq List txt.txt

<400> 91

Leu Arg Val Cys Ala Val Asp Ala Pro Tyr Val Pro Trp  
1 5 10

<210> 92

<211> 319

<212> PRT

<213> Homo sapiens

<400> 92

Met Leu Pro Arg Arg Pro Leu Ala Trp Pro Ala Trp Leu Leu Arg Gly  
1 5 10 15

Ala Pro Gly Ala Ala Gly Ser Trp Gly Arg Pro Val Gly Pro Leu Ala  
20 25 30

Arg Arg Gly Cys Cys Ser Ala Pro Gly Thr Pro Glu Val Pro Leu Thr  
35 40 45

Arg Glu Arg Tyr Pro Val Gln Arg Leu Pro Phe Ser Thr Val Ser Lys  
50 55 60

Gln Asp Leu Ala Ala Phe Glu Arg Ile Val Pro Gly Gly Val Val Thr  
65 70 75 80

Asp Pro Glu Ala Leu Gln Ala Pro Asn Val Asp Trp Leu Arg Thr Leu  
85 90 95

Arg Gly Cys Ser Lys Val Leu Leu Arg Pro Arg Thr Ser Glu Glu Val  
100 105 110

Ser His Ile Leu Arg His Cys His Glu Arg Asn Leu Ala Val Asn Pro  
115 120 125

Gln Gly Gly Asn Thr Gly Met Val Gly Gly Ser Val Pro Val Phe Asp  
130 135 140

Glu Ile Ile Leu Ser Thr Ala Arg Met Asn Arg Val Leu Ser Phe His  
145 150 155 160

Ser Val Ser Gly Ile Leu Val Cys Gln Ala Gly Cys Val Leu Glu Glu  
165 170 175

Leu Ser Arg Tyr Val Glu Glu Arg Asp Phe Ile Met Pro Leu Asp Leu  
180 185 190

Gly Ala Lys Gly Ser Cys His Ile Gly Gly Asn Val Ala Thr Asn Ala  
195 200 205

Gly Gly Leu Arg Phe Leu Arg Tyr Gly Ser Leu His Gly Thr Val Leu  
210 215 220

Gly Leu Glu Val Val Leu Ala Asp Gly Thr Val Leu Asp Cys Leu Thr  
225 230 235 240

Ser Leu Arg Lys Asp Asn Thr Gly Tyr Asp Leu Lys Gln Leu Phe Ile  
245 250 255

Gly Ser Glu Gly Thr Leu Gly Ile Ile Thr Thr Val Ser Ile Leu Cys  
260 265 270

Pro Pro Lys Pro Arg Ala Val Asn Val Ala Phe Leu Val Thr Cys Val  
275 280 285

Leu Pro Ala Cys Gly Pro Gly Ser Pro Arg Pro Ala Arg Leu Pro His  
290 295 300

PS737 Seq List txt.txt

Pro Ala Leu Arg Thr Pro Gly Val Cys Pro Gln Pro Leu Arg Leu  
305 310 315

<210> 93  
<211> 243  
<212> PRT  
<213> Homo sapiens

<400> 93  
Met Leu Pro Arg Arg Pro Leu Ala Trp Pro Ala Trp Leu Leu Arg Gly  
1 5 10 15  
Ala Pro Gly Ala Ala Gly Ser Trp Gly Arg Pro Val Gly Pro Leu Ala  
20 25 30  
Arg Arg Gly Cys Cys Ser Ala Pro Gly Thr Pro Glu Val Pro Leu Thr  
35 40 45  
Arg Glu Arg Tyr Pro Val Gln Arg Leu Pro Phe Ser Thr Val Ser Lys  
50 55 60  
Gln Asp Leu Ala Ala Phe Glu Arg Ile Val Pro Gly Gly Val Val Thr  
65 70 75 80  
Asp Pro Glu Ala Leu Gln Ala Pro Asn Val Asp Trp Leu Arg Thr Leu  
85 90 95  
Arg Gly Cys Ser Lys Val Leu Leu Arg Pro Arg Thr Ser Glu Glu Val  
100 105 110  
Ser His Ile Leu Arg His Cys His Glu Arg Asn Leu Ala Val Asn Pro  
115 120 125  
Gln Gly Gly Asn Thr Gly Met Val Gly Gly Ser Val Pro Val Phe Asp  
130 135 140  
Glu Ile Ile Leu Ser Thr Ala Arg Met Asn Arg Val Leu Ser Phe His  
145 150 155 160  
Ser Val Ser Gly Gly Leu Arg Pro Gly Gly Ala Glu Pro Val Cys Gly  
165 170 175  
Gly Thr Gly Leu His His Ala Ala Gly Leu Arg Ser Gln Gly Gln Leu  
180 185 190  
Pro His Arg Gly Lys Arg Gly Asn Gln Arg Trp Arg Pro Ala Val Ser  
195 200 205  
Ser Ile Trp Leu Thr Ala Trp Asp Cys Pro Gly Pro Gly Ser Gly Ala  
210 215 220  
Gly Arg Arg His Cys Pro Gly Leu Pro Asp Leu Pro Glu Glu Gly Gln  
225 230 235 240  
His Gly Leu

<210> 94  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 94

PS737 Seq List txt.txt

Met 1 Leu Trp Lys 5 Leu Lys 5 Leu Ser Arg Cys 10 Trp Leu Asp Leu Thr 15 Leu  
 Leu Ile Phe 20 Ser Gln Ile Ser His 25 Met Asp Gln Ile Ile Phe 30 Phe Phe  
 Val Val Tyr 35 Pro Ile Leu Asn 40 Asn Ile Phe Ser Leu 45 Asn Tyr Cys Arg  
 Asp Phe 50 Phe Cys Gly Gly Tyr 55 Phe Leu Phe Cys Ser 60 Lys Ile Ile Arg  
 Cys 65 Lys Ala Ile Leu Cys 70 Leu Thr Val Ala 75 Leu Ser Lys Gln Leu Cys 80  
 Ser Gly Val Ala 85 Phe Asp Val Leu Glu 90 Phe Asp Tyr Met Gln 95 Ser Cys  
 Ile

<210> 95  
 <211> 333  
 <212> PRT  
 <213> Homo sapiens

<400> 95  
 Met 1 Arg Ile Trp Trp 5 Leu Leu Leu Ala 10 Ile Glu Ile Cys Thr 15 Gly Asn  
 Ile Asn Ser 20 Gln Asp Thr Cys Arg Gln 25 Gly His Pro Gly 30 Ile Pro Gly  
 Asn Pro Gly 35 His Asn Gly Leu 40 Pro Gly Arg Asp Gly 45 Arg Asp Gly Ala  
 Lys Gly 50 Asp Lys Gly Asp Ala 55 Gly Glu Pro Gly 60 Arg Pro Gly Ser Pro  
 Gly 65 Lys Asp Gly Thr 70 Ser Gly Glu Lys Gly 75 Glu Arg Gly Ala Asp Gly 80  
 Lys Val Glu Ala 85 Lys Gly Ile Lys Gly 90 Asp Gln Gly Ser Arg Gly 95 Ser  
 Pro Gly Lys 100 His Gly Pro Lys Gly 105 Leu Ala Gly Pro Met 110 Gly Glu Lys  
 Gly Leu Arg 115 Gly Glu Thr Gly 120 Pro Gln Gly Gln Lys 125 Gly Asn Lys Gly  
 Asp Val Gly 130 Pro Thr Gly 135 Pro Glu Gly Pro Arg Gly 140 Asn Ile Gly Pro  
 Leu 145 Gly Pro Thr Gly 150 Leu Pro Gly Pro Met 155 Gly Pro Ile Gly Lys Pro 160  
 Gly Pro Lys Gly 165 Glu Ala Gly Pro Thr 170 Gly Pro Gln Gly Glu 175 Pro Gly  
 Val Arg Gly 180 Ile Arg Gly Trp Lys 185 Gly Asp Arg Gly Glu 190 Lys Gly Lys  
 Ile Gly Glu 195 Thr Leu Val Leu 200 Pro Lys Ser Ala Phe Thr 205 Val Gly Leu



PS737 Seq List txt.txt

Thr Val Leu Ser Lys Phe Pro Ser Ser Asp Val Pro Ile Lys Phe Asp  
 210 215 220  
 Lys Ile Leu Tyr Asn Glu Phe Asn His Tyr Asp Thr Ala Ala Gly Lys  
 225 230 235 240  
 Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr His Ile Thr  
 245 250 255  
 Val Phe Ser Arg Asn Val Gln Val Ser Leu Val Lys Asn Gly Val Lys  
 260 265 270  
 Ile Leu His Thr Lys Asp Ala Tyr Met Ser Ser Glu Asp Gln Ala Ser  
 275 280 285  
 Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu Val Trp Leu Gln  
 290 295 300  
 Val Thr Gly Gly Glu Arg Phe Asn Gly Leu Phe Ala Asp Glu Asp Asp  
 305 310 315 320  
 Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser Ser Pro  
 325 330

<210> 96  
 <211> 96  
 <212> PRT  
 <213> Homo sapiens

<400> 96  
 Met Ile Ser Cys Leu Ile Leu Leu Gly Pro Gly Arg Cys Gly Ala Cys  
 1 5 10 15  
 Asn Cys Ser Thr Phe Ser Trp Val Phe Leu Phe Ser Phe Phe Gly Ser  
 20 25 30  
 Leu Ala Met Cys Val Leu Tyr Asp Glu Ala Pro Ser Phe Cys Arg Ile  
 35 40 45  
 Ser Ile Leu Pro Arg Ser Lys Ala Thr Ile Ser Asp Val Gly Leu Ser  
 50 55 60  
 Leu Phe Ser Trp Ala Thr Met His Ala Ser Gly Phe Gln Val Val Leu  
 65 70 75 80  
 Ala Leu Pro Tyr Phe Thr Phe Ile Leu Pro Ser Gln Leu Pro Val Arg  
 85 90 95

<210> 97  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 97  
 Met Gly Lys Ile Ser Val Ser Phe Leu Ile Phe Ala Phe Leu Phe Lys  
 1 5 10 15  
 Gly Phe Ser Ile Gly Lys Ala Thr Asp Arg Met Asp Ala Phe Arg Lys  
 20 25 30  
 Ala Lys Asn Arg Ala Val His His Leu His Tyr Ile Glu Arg Tyr Glu

35

40

45

Asp His Thr Ile Phe His Asp Ile Ser Leu Arg Phe Lys Arg Thr His  
 50 55 60  
 Ile Lys Met Lys Lys Gln Pro Lys Gly Tyr Gly Leu Arg Cys His Arg  
 65 70 75 80  
 Ala Ile Ile Thr Ile Cys Arg Leu Ile Gly Ile Lys Asp Met Tyr Ala  
 85 90 95  
 Lys Val Ser Gly Ser Ile Asn Met Leu Ser Leu Thr Gln Gly Leu Phe  
 100 105 110  
 Arg Gly Leu Ser Arg Gln Glu Thr His Gln Gln Leu Ala Asp Lys Lys  
 115 120 125  
 Gly Leu His Val Val Glu Ile Arg Glu Glu Cys Gly Pro Leu Pro Ile  
 130 135 140  
 Val Val Ala Ser Pro Arg Gly Pro Leu Arg Lys Asp Pro Glu Pro Glu  
 145 150 155 160  
 Asp Glu Val Pro Asp Val Lys Leu Asp Trp Glu Asp Val Lys Thr Ala  
 165 170 175  
 Gln Gly Met Lys Arg Ser Val Trp Ser Asn Leu Lys Arg Ala Ala Thr  
 180 185 190

&lt;210&gt; 98

&lt;211&gt; 119

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 98

Met Ser Val Cys Phe Leu Gln Phe Leu Leu Met Val Leu Thr Gly Thr  
 1 5 10 15  
 Glu Ser Ile Tyr Ser Thr Leu Gln Asn Cys Val Ser Cys Ile Val Ile  
 20 25 30  
 Gln Phe Ile Asp Leu Tyr Ser Ile Val Ile Thr Thr His Ser Gly Met  
 35 40 45  
 His Glu Ser Glu Ala Glu His His Leu Arg Leu Val Leu Tyr Asn Ile  
 50 55 60  
 Ile Pro Thr Asp Val Gly Pro Gly Asn Arg Thr Glu Pro Val Phe Phe  
 65 70 75 80  
 Leu Met Leu Ser Arg Leu Pro Pro Val Gly Leu Leu Leu Asp Ile Ser  
 85 90 95  
 Pro Phe Gly Leu Phe Leu His Ser Asn Pro Ala Gly Thr Val Asn Asn  
 100 105 110  
 Trp Met Phe Ile Lys Trp Gly  
 115

&lt;210&gt; 99

&lt;211&gt; 119

PS737 Seq List txt.txt

<212> PRT

<213> Homo sapiens

<400> 99

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Met Ser Val Cys Phe Leu Gln Phe Leu Leu Met Val Leu Thr Gly Thr
 1          5          10          15
Glu Ser Ile Tyr Ser Thr Leu Gln Asn Cys Val Ser Cys Ile Val Ile
          20          25          30
Gln Phe Ile Asp Leu Tyr Ser Ile Val Ile Thr Thr His Ser Gly Met
          35          40          45
His Glu Ser Glu Ala Glu His His Leu Arg Leu Val Leu Tyr Asn Ile
          50          55          60
Ile Pro Thr Asp Val Gly Pro Gly Asn Arg Thr Glu Pro Val Phe Phe
 65          70          75          80
Leu Met Leu Ser Arg Leu Pro Pro Val Gly Leu Leu Leu Asp Ile Ser
          85          90          95
Pro Phe Gly Leu Phe Leu His Ser Asn Pro Ala Gly Thr Val Asn Asn
          100          105          110
Trp Met Phe Ile Lys Trp Gly
          115

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<210> 100

<211> 119

<212> PRT

<213> Homo sapiens

<400> 100

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Met Ser Val Cys Phe Leu Gln Phe Leu Leu Met Val Leu Thr Gly Thr
 1          5          10          15
Glu Ser Ile Tyr Ser Thr Leu Gln Asn Cys Val Ser Cys Ile Val Ile
          20          25          30
Gln Phe Ile Asp Leu Tyr Ser Ile Val Ile Thr Thr His Ser Gly Met
          35          40          45
His Glu Ser Glu Ala Glu His His Leu Arg Leu Val Leu Tyr Asn Ile
          50          55          60
Ile Pro Thr Asp Val Gly Pro Gly Asn Arg Thr Glu Pro Val Phe Phe
 65          70          75          80
Leu Met Leu Ser Arg Leu Pro Pro Val Gly Leu Leu Leu Asp Ile Ser
          85          90          95
Pro Phe Gly Leu Phe Leu His Ser Asn Pro Ala Gly Thr Val Asn Asn
          100          105          110
Trp Met Phe Ile Lys Trp Gly
          115

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<210> 101

<211> 169

<212> PRT

<213> Homo sapiens

<400> 101

PS737 Seq List txt.txt

Met Tyr Gln Tyr Arg Val Asp Thr Gly Asn Phe Gln Gly Met Lys Val  
 1 5 10 15  
 Phe Phe Met Val Val Ala Ala Val Tyr Ile Leu Tyr Leu Leu Phe Leu  
 20 25 30  
 Ile Val Arg Ala Cys Ser Glu Leu Arg His Met Pro Tyr Val Asp Leu  
 35 40 45  
 Arg Leu Lys Phe Leu Thr Ala Leu Thr Phe Val Val Leu Val Ile Ser  
 50 55 60  
 Ile Ala Ile Leu Tyr Leu Arg Phe Gly Ala Gln Val Leu Gln Asp Asn  
 65 70 75 80  
 Phe Val Ala Glu Leu Ser Thr His Tyr Gln Asn Ser Ala Glu Phe Leu  
 85 90 95  
 Ser Phe Tyr Gly Leu Leu Asn Phe Tyr Leu Tyr Thr Leu Ala Phe Val  
 100 105 110  
 Tyr Ser Pro Ser Lys Asn Ala Leu Tyr Glu Ser Gln Leu Lys Asp Asn  
 115 120 125  
 Pro Ala Phe Ser Met Leu Asn Asp Ser Asp Asp Asp Val Ile Tyr Gly  
 130 135 140  
 Ser Asp Tyr Glu Glu Met Pro Leu Gln Asn Gly Gln Ala Ile Arg Ala  
 145 150 155 160  
 Lys Tyr Lys Glu Glu Ser Asp Ser Asp  
 165

<210> 102  
 <211> 169  
 <212> PRT  
 <213> Homo sapiens

<400> 102  
 Met Tyr Gln Tyr Arg Val Asp Thr Gly Asn Phe Gln Gly Met Lys Val  
 1 5 10 15  
 Phe Phe Met Val Val Ala Ala Val Tyr Ile Leu Tyr Leu Leu Phe Leu  
 20 25 30  
 Ile Val Arg Ala Cys Ser Glu Leu Arg His Met Pro Tyr Val Asp Leu  
 35 40 45  
 Arg Leu Lys Phe Leu Thr Ala Leu Thr Phe Val Val Leu Val Ile Ser  
 50 55 60  
 Ile Ala Ile Leu Tyr Leu Arg Phe Gly Ala Gln Val Leu Gln Asp Asn  
 65 70 75 80  
 Phe Val Ala Glu Leu Ser Thr His Tyr Gln Asn Ser Ala Glu Phe Leu  
 85 90 95  
 Ser Phe Tyr Gly Leu Leu Asn Phe Tyr Leu Tyr Thr Leu Ala Phe Val  
 100 105 110  
 Tyr Ser Pro Ser Lys Asn Ala Leu Tyr Glu Ser Gln Leu Lys Asp Asn  
 115 120 125  
 Pro Ala Phe Ser Met Leu Asn Asp Ser Asp Asp Asp Val Ile Tyr Gly  
 130 135 140

PS737 Seq List txt.txt

Ser Asp Tyr Glu Glu Met Pro Leu Gln Asn Gly Gln Ala Ile Arg Ala  
145 150 155 160

Lys Tyr Lys Glu Glu Ser Asp Ser Asp  
165

<210> 103  
<211> 81  
<212> PRT  
<213> Homo sapiens

<400> 103  
Met Pro Pro Leu Pro Pro Ile Phe Gln Lys Ser Leu Ala Pro Leu Phe  
1 5 10 15  
Leu Phe Leu His Pro Ser Pro Gln Arg Ser Leu Thr Arg Asn Lys Gln  
20 25 30  
Glu Asp Ser Val Ile Tyr Lys Arg His Phe Ser Phe Thr Arg Thr Glu  
35 40 45  
Asn Ser Thr Gln His Tyr Arg Ile Leu Arg Leu Leu Lys Phe Leu Val  
50 55 60  
Phe Pro Gly Val Ser Leu Phe Ile Arg Gly Pro Met Val Phe Pro Pro  
65 70 75 80  
Phe

<210> 104  
<211> 56  
<212> PRT  
<213> Homo sapiens

<400> 104  
Met Asn Thr Tyr Lys Pro Phe Ala Lys Tyr Lys Asn Met Thr Cys Phe  
1 5 10 15  
Leu His Leu Leu Met Cys Phe Phe Pro Phe Pro Phe Leu Cys Cys Leu  
20 25 30  
Pro Cys Ile His Gly His Phe Lys Ile Cys Tyr Ser Ile Ala Tyr Ser  
35 40 45  
Val Gly Arg Phe Arg Phe Phe Ser  
50 55

<210> 105  
<211> 56  
<212> PRT  
<213> Homo sapiens

<400> 105  
Met Asn Thr Tyr Lys Pro Phe Ala Lys Tyr Lys Asn Met Thr Cys Phe  
1 5 10 15  
Leu His Leu Leu Met Cys Phe Phe Pro Phe Pro Phe Leu Cys Cys Leu  
20 25 30  
Pro Cys Ile His Gly His Phe Lys Ile Cys Tyr Ser Ile Ala Tyr Ser  
35 40 45

PS737 Seq List txt.txt

Val Gly Arg Phe Arg Phe Phe Ser  
50 55

<210> 106  
<211> 109  
<212> PRT  
<213> Homo sapiens

<400> 106  
Met Thr Asp Tyr Trp Val Leu Ile Phe Phe Asn Leu Leu Phe Thr Ser  
1 5 10 15  
Ala Pro Pro Val Ile Tyr Gly Val Leu Glu Lys Asp Val Ser Ala Glu  
20 25 30  
Thr Leu Met Gln Leu Pro Glu Leu Tyr Arg Ser Gly Gln Lys Ser Glu  
35 40 45  
Ala Tyr Leu Pro His Thr Phe Trp Ile Thr Leu Leu Asp Ala Phe Tyr  
50 55 60  
Gln Ser Leu Val Cys Phe Phe Val Pro Tyr Phe Thr Tyr Gln Gly Ser  
65 70 75 80  
Asp Thr Asp Ile Phe Ala Phe Gly Asn Pro Leu Asn Thr Ala Ala Leu  
85 90 95  
Leu Ser Phe Ser Ser Ile Trp Ser Leu Lys Ala Arg Val  
100 105

<210> 107  
<211> 285  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (99)  
<223> xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (248)  
<223> xaa equals any of the naturally occurring L-amino acids

<400> 107  
Met Thr Asp Tyr Trp Val Leu Ile Phe Phe Asn Leu Leu Phe Thr Ser  
1 5 10 15  
Ala Pro Pro Val Ile Tyr Gly Val Leu Glu Lys Asp Val Ser Ala Glu  
20 25 30  
Thr Leu Met Gln Leu Pro Glu Leu Tyr Arg Ser Gly Gln Lys Ser Glu  
35 40 45  
Ala Tyr Leu Pro His Thr Phe Trp Ile Thr Leu Leu Asp Ala Phe Tyr  
50 55 60  
Gln Ser Leu Val Cys Phe Phe Val Pro Tyr Phe Thr Tyr Gln Gly Ser  
65 70 75 80  
Asp Thr Asp Ile Phe Ala Phe Gly Asn Pro Leu Asn Thr Ala Ala Leu  
85 90 95

PS737 Seq List txt.txt

Phe Ile Xaa Leu Leu His Leu Val Ile Glu Ser Lys Ser Leu Thr Trp  
100 105 110  
Ile His Leu Leu Val Ile Ile Gly Ser Ile Leu Ser Tyr Phe Leu Phe  
115 120 125  
Ala Ile Val Phe Gly Ala Met Cys Val Thr Cys Asn Pro Pro Ser Asn  
130 135 140  
Pro Tyr Trp Ile Met Gln Glu His Met Leu Asp Pro Val Phe Tyr Leu  
145 150 155 160  
Val Cys Ile Leu Thr Thr Ser Ile Ala Leu Leu Pro Arg Phe Val Tyr  
165 170 175  
Arg Val Leu Gln Gly Ser Leu Phe Pro Ser Pro Ile Leu Arg Ala Lys  
180 185 190  
His Phe Asp Arg Leu Thr Pro Glu Glu Arg Thr Lys Ala Leu Lys Lys  
195 200 205  
Trp Arg Gly Ala Gly Lys Met Asn Gln Val Thr Ser Lys Tyr Ala Asn  
210 215 220  
Gln Ser Ala Gly Lys Ser Gly Arg Arg Pro Met Pro Gly Pro Ser Ala  
225 230 235 240  
Val Phe Ala Met Lys Ser Ala Xaa Ser Cys Ala Ile Glu Gln Gly Asn  
245 250 255  
Leu Ser Leu Cys Glu Thr Ala Leu Asp Gln Gly Tyr Ser Glu Thr Lys  
260 265 270  
Ala Phe Glu Met Ala Gly Pro Ser Lys Gly Lys Glu Ser  
275 280 285

<210> 108  
<211> 87  
<212> PRT  
<213> Homo sapiens

<400> 108  
Met His Phe Leu Arg Gly Leu Pro Ala Gly Ala Pro Leu Arg Leu Val  
1 5 10 15  
Phe Leu Leu Asn Val Leu Leu Leu Gly Leu Trp Asn Phe Leu Leu Leu  
20 25 30  
Cys Thr Val Ile Tyr Phe His Gln Tyr Thr His Lys Val Val Gly Ala  
35 40 45  
Ala Val Gly Thr Phe Ala Trp Tyr Leu Thr Tyr Gly Ser Trp Tyr His  
50 55 60  
Gln Pro Trp Ser Pro Gly Ser Pro Gly His Gly Leu Phe Pro Arg Pro  
65 70 75 80  
His Ser Ser Arg Lys His Asn  
85

<210> 109  
<211> 87  
<212> PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 109

Met His Phe Leu Arg Gly Leu Pro Ala Gly Ala Pro Leu Arg Leu Val  
 1 5 10 15  
 Phe Leu Leu Asn Val Leu Leu Leu Gly Leu Trp Asn Phe Leu Leu Leu  
 20 25 30  
 Cys Thr Val Ile Tyr Phe His Gln Tyr Thr His Lys Val Val Gly Ala  
 35 40 45  
 Ala Val Gly Thr Phe Ala Trp Tyr Leu Thr Tyr Gly Ser Trp Tyr His  
 50 55 60  
 Gln Pro Trp Ser Pro Gly Ser Pro Gly His Gly Leu Phe Pro Arg Pro  
 65 70 75 80  
 His Ser Ser Arg Lys His Asn  
 85

&lt;210&gt; 110

&lt;211&gt; 160

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 110

Met Glu Glu Gly Ser Ser Ser Pro Val Ser Pro Val Asp Ser Leu Gly  
 1 5 10 15  
 Thr Ser Glu Glu Glu Leu Glu Arg Gln Pro Lys Arg Phe Gly Arg Lys  
 20 25 30  
 Arg Arg Tyr Ser Lys Lys Ser Ser Glu Asp Gly Ser Pro Thr Pro Gly  
 35 40 45  
 Lys Arg Gly Lys Lys Gly Ser Pro Ser Ala Gln Ser Phe Glu Glu Leu  
 50 55 60  
 Gln Ser Gln Arg Ile Leu Ala Asn Val Arg Glu Arg Gln Arg Thr Gln  
 65 70 75 80  
 Ser Leu Asn Glu Ala Phe Ala Ala Leu Arg Lys Ile Ile Pro Thr Leu  
 85 90 95  
 Pro Ser Asp Lys Leu Ser Lys Ile Gln Thr Leu Lys Leu Ala Ala Arg  
 100 105 110  
 Tyr Ile Asp Phe Leu Tyr Gln Val Leu Gln Ser Asp Glu Met Asp Asn  
 115 120 125  
 Lys Met Thr Ser Cys Ser Tyr Val Ala His Glu Arg Leu Ser Tyr Ala  
 130 135 140  
 Phe Ser Val Trp Arg Met Glu Gly Ala Trp Ser Met Ser Ala Ser His  
 145 150 155 160

&lt;210&gt; 111

&lt;211&gt; 86

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens



PS737 Seq List txt.txt

<400> 111

Met Val Ile Leu Phe Leu Phe Gly Phe Phe Phe Trp Val Leu Cys Leu  
 1 5 10 15  
 Gly Gly Gly Leu Phe Phe Leu Lys Met Ser Arg Phe Arg Asn Thr Phe  
 20 25 30  
 Met Arg Ile Trp Ile Leu Asn Leu Tyr Phe Pro Leu Ser Ala Phe Phe  
 35 40 45  
 Asn Val Tyr Phe Phe Asn Lys Thr Glu Met His Ser Cys Thr Ile Leu  
 50 55 60  
 Leu Lys Leu Asp Gln Gly Ser Gln Lys Arg Thr Pro Glu Phe Leu Pro  
 65 70 75 80  
 Leu Pro Arg Ala Ser Ala  
 85

<210> 112

<211> 201

<212> PRT

<213> Homo sapiens

<400> 112

Met Arg Glu Gln Arg Thr Ala Glu Gln Ser Glu Thr Gln Arg Thr Trp  
 1 5 10 15  
 Leu Ser Met Ala Ala Thr Leu Gln Phe Leu Val Cys Leu Val Val Ala  
 20 25 30  
 Ile Cys Leu Leu Ser Gly Val Thr Thr Thr Gln Pro His Ala Gly Gln  
 35 40 45  
 Pro Met Asp Ser Thr Ser Val Gly Gly Gly Leu Gln Glu Pro Glu Ala  
 50 55 60  
 Pro Glu Val Met Phe Glu Leu Leu Trp Ala Gly Leu Glu Leu Asp Val  
 65 70 75 80  
 Met Gly Gln Leu His Ile Gln Asp Glu Glu Leu Ala Ser Thr His Pro  
 85 90 95  
 Gly Arg Arg Leu Arg Leu Leu Leu Gln His His Val Pro Ser Asp Leu  
 100 105 110  
 Glu Gly Thr Glu Gln Trp Leu Gln Gln Leu Gln Asp Leu Arg Lys Gly  
 115 120 125  
 Pro Pro Leu Ser Thr Trp Asp Phe Glu His Leu Leu Thr Gly Leu  
 130 135 140  
 Ser Cys Val Tyr Arg Leu His Ala Ala Ser Glu Ala Glu Glu Arg Gly  
 145 150 155 160  
 Arg Trp Thr Gln Val Phe Ala Leu Leu Ala Gln Glu Thr Leu Trp Asp  
 165 170 175  
 Leu Cys Lys Gly Phe Cys Pro Gln Asp Arg Pro Pro Ser Leu Gly Ser  
 180 185 190  
 Trp Ala Ser Ile Leu Asp Pro Phe Pro  
 195 200

PS737 Seq List txt.txt

<210> 113  
 <211> 191  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (160)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 113  
 Met Arg Glu Gln Arg Thr Ala Glu Gln Ser Glu Thr Gln Arg Thr Trp  
 1 5 10 15  
 Leu Ser Met Ala Ala Thr Leu Gln Phe Leu Val Cys Leu Val Val Ala  
 20 25 30  
 Ile Cys Leu Leu Ser Gly Val Thr Thr Thr Gln Pro His Ala Gly Gln  
 35 40 45  
 Pro Met Asp Ser Thr Ser Val Gly Gly Gly Leu Gln Glu Pro Glu Ala  
 50 55 60  
 Pro Glu Val Met Phe Glu Leu Leu Trp Ala Gly Leu Glu Leu Asp Val  
 65 70 75 80  
 Met Gly Gln Leu His Ile Gln Asp Glu Glu Leu Ala Ser Thr His Pro  
 85 90 95  
 Gly Arg Arg Leu Arg Leu Leu Leu Gln His His Val Pro Ser Asp Leu  
 100 105 110  
 Glu Gly Thr Glu Gln Trp Leu Gln Gln Leu Gln Asp Leu Arg Lys Gly  
 115 120 125  
 Pro Pro Leu Ser Thr Trp Asp Phe Glu His Leu Leu Leu Thr Gly Leu  
 130 135 140  
 Ser Cys Val Tyr Arg Leu His Ala Ala Ser Glu Ala Glu Glu Arg Xaa  
 145 150 155 160  
 Arg Trp Thr Gln Val Phe Ala Leu Leu Ala Gln Glu Thr Leu Trp Asp  
 165 170 175  
 Leu Cys Lys Gly Phe Cys Pro Gln Asp Arg Pro Pro Ser Leu Gly  
 180 185 190

<210> 114  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 114

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Arg Ala Leu Ile Phe Ser Lys Xaa Thr Glu Ser Cys Leu Arg Ala Ala
 1          5          10          15
Phe Xaa Tyr Gly Gly Ser Met Ser Xaa Thr Ala Asp Ile Gln Gln Leu
 20          25          30
Glu Pro Gly Ser Val Ile Gln Leu Ile Glu Ile Asp Gly Thr Glu Phe
 35          40          45
Gly Met Asp Gln Val Leu Arg Phe His Ala His Asn Ile Gln Glu Glu
 50          55          60
Gly Trp Ala Ala Phe Ala Ala Glu Asn Leu Pro Ala Ile Ile Trp Gln
 65          70          75          80
Gly Asn Gln Tyr Asp Pro His Pro Tyr Glu Leu Lys Gly Met Glu Leu
 85          90          95
Ser Ser Thr Gly Ser Gln Pro Thr Pro Thr Leu Ser Val Gly Asn Val
100          105          110
Gly Asn Tyr Val Thr Ala Leu Cys Leu Glu Tyr Asp Asp Met Val Arg
115          120          125
Ala Lys Val Lys Ile His Thr Thr Leu Ser Lys Tyr Leu Asp Ala Ala
130          135          140
Asn Trp Lys Asn Gly Asn Pro Gly Ala Ser Pro Ala Asp Glu Arg Val
145          150          155          160
Gln Leu Phe Tyr Val Asn Ala Lys Thr Ala Glu Thr Arg Val Gln Val
165          170          175
Asp Phe Glu Leu Cys Ser Pro Phe Asp Ile Gln Ser Leu Gln Leu Pro
180          185          190
Thr Arg Gln Ile Thr Pro Val Cys Thr Trp Cys Met Arg Gly Trp Tyr
195          200          205
Arg Ser Gly Thr Gly Cys Asp Tyr Asn Gly Thr Lys Tyr Phe Thr Lys
210          215          220
Asp Gly Thr Pro Thr Asp Asp Pro Ser Lys Asp Val Cys
225          230          235

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<210> 115

<211> 137

<212> PRT

<213> Homo sapiens

<400> 115

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Met Ser Pro Thr Ala Trp His Pro Ile Pro Ala Ala Thr Leu Trp Cys
 1          5          10          15
Phe Gly Cys Gly Ala Leu Thr Cys Leu Val Gly Val Ala Cys Leu Ser
 20          25          30
Pro Ser Pro Trp Ile Arg Asn Asn Leu Cys Gln Ser Arg Val Cys Glu
 35          40          45
Pro Ser Cys Ser His Pro Ser Thr Ser Trp Ser Leu Ala Ala Trp Ala
 50          55          60

```

PS737 Seq List txt.txt

Ala Leu Gly Ser His Thr Ser Ala Gly Leu Thr Ser Gly Ala Val Leu  
65 70 75 80  
Leu Thr Gly Thr Thr Lys Ser Leu Asp Thr Cys Val Pro Trp Lys Trp  
85 90 95  
Gln Arg Ser Gly Thr Pro Ser Pro Cys Arg Gln Arg Ala Leu Arg  
100 105 110  
Gln Ser Cys Glu Pro Trp Ala Gly Pro Arg Val Ala Pro Pro Arg Pro  
115 120 125  
Pro Gly His Gln Gly Ser Glu Gly Glu  
130 135

<210> 116  
<211> 87  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (69)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (79)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (84)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 116  
Tyr Ile Tyr Ile Tyr Ile Tyr Ile Cys Val Cys Val Cys Val Cys Ile  
1 5 10 15  
Cys Val Tyr Arg Asp Thr His Thr Tyr Ile Cys Val Tyr Ile Tyr Thr  
20 25 30  
His Thr Tyr Ile Tyr Thr His Ala Phe Ala Gln Thr His Thr Tyr Ile  
35 40 45  
Asn Ser His Glu Cys Ile Ile Ile Ser Gly Gly Gly Lys Cys Leu Glu  
50 55 60  
Gly Leu Arg Gly Xaa Ser Asp Xaa Asn Gly Glu Val Gly Ser Xaa Val  
65 70 75 80  
Gln Gln Asp Xaa Ser Asn Gln  
85

<210> 117  
<211> 145  
<212> PRT  
<213> Homo sapiens

PS737 Seq List txt.txt

<400> 117

Met Ser Ser Leu Phe Phe Thr Leu Leu Ile Val Pro Ser Thr Ser Leu  
 1 5 10 15  
 Thr Cys Val Leu His Leu Met Ser Pro Arg Thr Thr Pro His Arg Thr  
 20 25 30  
 Val Arg His Val Gly Trp Arg Glu Gln Lys Ser Cys Gln Arg Ser Arg  
 35 40 45  
 His Glu His Pro Ser Ala Trp Trp Ala Gly Phe Val Cys Leu Ser Phe  
 50 55 60  
 Cys Glu Arg Asn Thr Asp Lys Gln Leu Cys Ser Ala Arg His Thr Asp  
 65 70 75 80  
 Val Ser Leu Pro Pro Val Pro Lys Ala Pro Ala Ala Val Ser Phe Ala  
 85 90 95  
 Gly Arg Ala Trp Ser Arg Gly Ser Glu Gly Leu Val Phe Gly Pro Pro  
 100 105 110  
 Ser Phe Leu Ser Ser Pro Ala Gln Leu Leu Arg Ser Ile Met Ala Ile  
 115 120 125  
 Ile Leu Val Pro Asp Cys Pro Lys Val Pro Ser Trp Leu Trp Gly Thr  
 130 135 140  
 Leu  
 145

<210> 118

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 118

Val Phe Phe Leu Ile Leu Tyr Gly Pro Ser Asp Tyr Ile Xaa Phe Ile  
 1 5 10 15  
 His Leu Phe Met Val Cys Met Tyr Asn Ser Ile Leu His Cys Gln Ile  
 20 25 30